

# Claims

- [c1] 1. A method for transferring a broadcast signal to a storage device comprising:  
receiving instructions to transfer one or more timeslots on one or more channels to said storage device;  
determining if said instructions cause a conflict;  
determining one or more solutions to said conflict;  
providing a user an opportunity to choose one of said solutions to said conflict; and  
resolving said conflict automatically, if said user does not choose one of said solutions.
- [c2] 2. The method of claim 1 wherein said step of determining one or more solutions further comprises:  
determining a first type for a first timeslot; and  
determining a second type for a second timeslot.
- [c3] 3. The method of claim 2 wherein said first type is an automatically extended time slot and said second type is not an automatically extended time slot, further comprising, choosing said second type as having a higher priority.
- [c4] 4. The method of claim 2 wherein said first type is a user

extended lead time slot and said second type is a core time slot, further comprising, choosing said second type as having a higher priority.

[c5] 5. The method of claim 2 wherein said first type is a user extended trail time slot less than a fixed interval and said second type is a core time slot, further comprising, choosing said second type as having a higher priority.

[c6] 6. The method of claim 1 wherein said providing step further comprises:  
examining each timeslot in each of said solutions;  
determining a cumulative priority for each of said solutions;  
determining one or two lowest priority solutions to said conflict based on said cumulative priority; and  
presenting said one or two lowest priority solutions to said user.

[c7] 7. The method of claim 1 wherein said step of determining if said instructions cause a conflict further comprises:  
determining a first number of tuners available;  
determining a second number of timeslots to be transferred to said storage device; and  
determining a conflict exists, if said first number is less than said second number.

[c8] 8. A computer program product comprising:  
a computer usable medium having computer readable program code embodied therein configured to cause a computer to transfer a broadcast signal to a storage device comprising:  
computer readable program code configured to cause a computer to receive instructions to transfer one or more timeslots on one or more channels to said storage device;  
computer readable program code configured to cause a computer to determine if said instructions cause a conflict;  
computer readable program code configured to cause a computer to determine one or more solutions to said conflict;  
computer readable program code configured to cause a computer to provide a user an opportunity to choose one of said solutions to said conflict; and  
computer readable program code configured to cause a computer to resolve said conflict automatically, if said user does not choose one of said solutions.

[c9] 9. The computer program product of claim 8 wherein said computer readable program code configured to determine one or more solutions further comprises:  
computer readable program code configured to cause a

computer to determine a first type for a first timeslot;  
and  
computer readable program code configured to cause a  
computer to determine a second type for a second  
timeslot.

[c10] 10. The computer program product of claim 9 wherein  
said first type is an automatically extended time slot and  
said second type is not an automatically extended time  
slot, further comprising, computer readable program  
code configured to cause a computer to choose said sec-  
ond type as having a higher priority.

[c11] 11. The computer program product of claim 9 wherein  
said first type is a user extended lead time slot and said  
second type is a core time slot, further comprising, com-  
puter readable program code configured to cause a  
computer to choose said second type as having a higher  
priority.

[c12] 12. The computer program product of claim 9 wherein  
said first type is a user extended trail time slot less than  
a fixed interval and said second type is a core time slot,  
further comprising, computer readable program code  
configured to cause a computer to choose said second  
type as having a higher priority.

[c13] 13. The computer program product of claim 8 wherein said computer readable program code configured to cause a computer to provide further comprises:  
computer readable program code configured to cause a computer to examine each timeslot in each of said solutions;  
computer readable program code configured to cause a computer to determine a cumulative priority for each of said solutions;  
computer readable program code configured to cause a computer to determine one or two lowest priority solutions to said conflict based on said cumulative priority;  
and  
computer readable program code configured to cause a computer to present said one or two lowest priority solutions to said user.

[c14] 14. The computer program product of claim 8 wherein said computer readable program code configured to cause a computer to determine if said instructions cause a conflict further comprises:  
computer readable program code configured to cause a computer to determine a first number of tuners available;  
computer readable program code configured to cause a computer to determine a second number of timeslots to

be transferred to said storage device; and  
computer readable program code configured to cause a  
computer to determine a conflict exists, if said first  
number is less than said second number.

[c15] 15. A video recorder comprising:  
means for receiving one or more instructions;  
means for finding one or more conflicts, which may be  
caused by said instructions;  
means for generating one or more solutions to said con-  
flicts, which said video recorder obtains;  
means for giving a user an opportunity to choose one of  
said solutions to said conflict; and  
means for solving said conflicts, if said user does not  
choose one of said solutions.

[c16] 16. The video recorder of claim 15 wherein said means  
for generating solutions further comprises:  
a first type for a first timeslot; and  
a second type for a second timeslot.

[c17] 17. The video recorder of claim 16 wherein said first  
type is an automatically extended time slot and said sec-  
ond type is not an automatically extended time slot, fur-  
ther comprising, means for choosing said second type as  
having a higher priority.

- [c18] 18. The video recorder of claim 16 wherein said first type is a user extended lead time slot and said second type is a core time slot, further comprising, means for choosing said second type as having a higher priority.
- [c19] 19. The video recorder of claim 16 wherein said first type is a user extended trail time slot less than a fixed interval and said second type is a core time slot, further comprising, means for choosing said second type as having a higher priority.
- [c20] 20. The video recorder of claim 15 wherein said means for generating solutions further comprises:  
means for obtaining one or more timeslots in each of said solutions;  
means for establishing a cumulative priority for each of said solutions based on each of said timeslots;  
means for choosing one or two lowest priority solutions to said conflict based on said cumulative priority; and  
means for presenting said one or two lowest priority solutions to said user.
- [c21] 21. The video recorder of claim 15 wherein said means for finding conflicts further comprises:  
means for determining a first number of tuners available;  
means for determining a second number of timeslots to be transferred to said storage device; and

means for determining a conflict exists, if said first number is less than said second number.